

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): ~~Spectrum A~~ spectrum spreading data transmission process in which:

- ~~in sending: a step of sending, including building up symbols to be sent are built up from the data to be transmitted, and are modulated~~ ⁴ ~~modulating said symbols by spectrum spreading using pseudo-random sequences,~~

- ~~on reception: the a step of receiving, including correlating~~ ⁴ ~~received signal is correlated with the pseudo-random sequences used in sending, identifying the sent symbols, sent are found and restoring the data are restored,~~

~~this the process being characterized in that comprising:~~

a) in said sending step:

v) building up a set of S successive different pseudo-random sequences ~~is built up~~, in which S is greater than or equal to at least 2,

vi) grouping the symbols to be transmitted ~~are grouped into successive packets each containing S successive symbols,~~

vii) ~~modulating the S successive symbols of a packet are modulated by one of different the set of S successive pseudo-random sequences of the set of sequences,~~

viii) ~~operation iii) is repeated~~ ^{different} ~~repeating said step of modulating for successive packets of S symbols with a remaining one of the set of S successive pseudo-random sequences, the pseudo-random sequences in the set thus being used repetitively,~~

b) on reception in said receiving step:

correlating the received signal is ~~correlated with each of the S pseudo-random sequences used in the sending step,~~

restoring the successive packets of symbols are restored and the corresponding data, ^{and}
are restored packets of symbols are restored and the corresponding data are restored.

Claim 2 (Currently Amended): Process The process according to claim 1, in which several packets of S symbols are processed in parallel.

Claim 3 (Currently Amended): Transmitter A transmitter configured to execute the step of transmitting ^{sending} recited in Claim 1 for embodiment of the process according to claim 1, comprising a general input (10), means (20) of for receiving data to be transmitted and building up symbols, and means (60) of for modulating these ^{the} symbols by ^{the} spectrum spreading using pseudo-random sequences, characterized in that it comprises said transmitter further comprising:

- means (50) of for building up a the set of S successive different pseudo-random sequences S being an integer greater than or equal to 2,

- means (30, 40) of for grouping symbols to be transmitted into successive packets each containing S successive symbols,

- means (60) of for modulating the successive symbols of a packet by S successive ^{the} S successive different pseudo-random and pseudo-random sequences of the set of sequences, to reiterate ^{an} for reiterating this the modulation for successive packets of symbols, the pseudo-random sequences of the set thus being used repetitively.

Claim 4 (Currently Amended): Transmitter The transmitter according to claim 3, in which the means for modulating ⁽⁶⁰⁾ are adapted ^{to} process packets of successive symbols in series and in parallel several packets of S symbols in parallel.

Claim 5 (Currently Amended): ~~Receiver~~ A receiver configured to execute the step of receiving recited in Claim 1 for embodiment of the process according to claim 1, comprising means of for correlating a reception signal with pseudo-random sequences and of for outputting despread symbols, and means of for recovering restoring the data starting from these said despread symbols, characterized in that it comprises said receiver further comprising:

- means $(110_1, \dots, 110_M)$ of for correlating the received signal with S pseudo-random sequences, S being an integer greater than or equal to 2,
- means $(120_1, \dots, 120_M)$ (130) $(140_1, \dots, 140_L)$ $(150_1, \dots, 150_L)$ of for restoring the recovering packets of S despread symbols,
- means (170) of for restoring recovering transmitted the corresponding data on a general output (180) from said packets of S despread symbols.

Claim 6 (Currently Amended): ~~Receiver~~ The receiver according to claim 5, in which the means for recovering are adapted to process several packets of successive symbols in series and in parallel.